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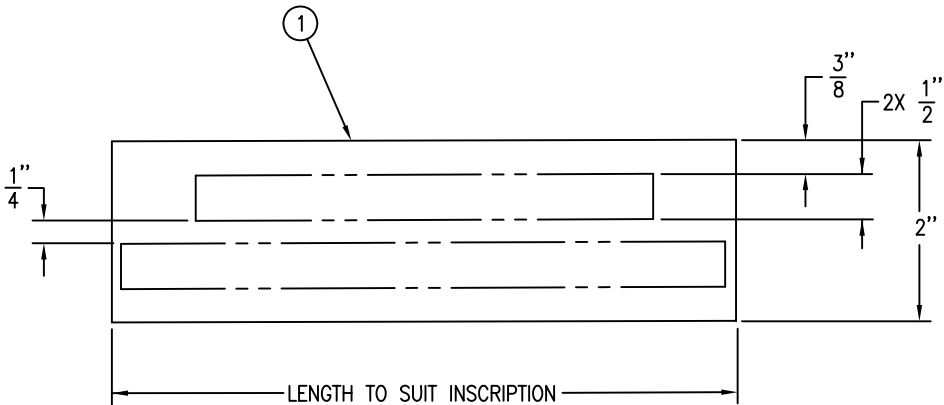
NOTES:

1. THIS DRAWING HAS BEEN DEVELOPED AS A GUIDANCE DRAWING FOR THE FABRICATION AND INSTALLATION OF LABEL PLATES AND SYSTEM OPERATION PLACARDS ASSOCIATED WITH THE WATER WASHDOWN SYSTEM PIPING INSTALLATION AND DETAILS (DRAWING LCU-2000-5231-1) ONBOARD U.S. ARMY LANDING CRAFT, UTILITY, 2000 CLASS (LCU-2000).
2. ALL LABEL PLATES SHALL HAVE SMOOTH EDGES AND BE LOCATED SO THAT THE INSCRIPTION IS READILY DISCERNIBLE AND NOT OBSCURED BY PIPES OR OTHER OBJECTS.
3. LABEL PLATE, FIND NO. 1, AND SYSTEM OPERATION PLACARD, FIND NO. 2, SHALL BE INSTALLED USING TAPE, FIND NO. 3. TAPE SHALL BE APPLIED TO ENTIRE BACKING OF LABEL PLATE/PLACARD.
4. THE ENGINE ROOM, TUNNEL, AND BOW THRUSTER ROOM WATER WASHDOWN SYSTEM OPERATION PLACARDS MATERIAL SHALL BE PHENOLIC. PLACARD CHARACTERS SHALL BE ENGRAVED AND CHARACTER HEIGHTS SHALL BE AS INDICATED:

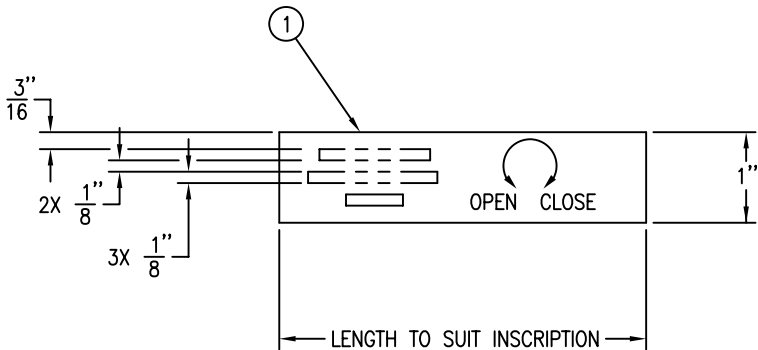
OPERATING INSTRUCTIONS _____ .156 INCH
OPERATING INSTRUCTIONS TITLE _____ .188 INCH
TABLE AND LEGEND CHARACTERS _____ .156 INCH
DIAGRAMMATIC CHARACTERS _____ .156 INCH
PLACARD TITLE _____ .250 INCH

SYSTEM OPERATION PLACARDS SHALL BE MOUNTED IN A SUITABLE LOCATION NEAR THE WWS CONTROL STATIONS, TO ALLOW FOR OPTIMUM VISIBILITY.

LABEL PLATE LIST					
ITEM NO.	INSCRIPTION	LABEL STYLE	QTY REQD	LOCATION	REMARKS
1	ENG RM WWS CONTROL STATION	B-2	1 EA	MN DK PASSAGEWAY FR 40, STBD	MOUNT ABOVE CONTROL STATION
2	ENG RM WWS CONTROL VALVE WWS-1	V-3	1 EA	MN DK PASSAGEWAY FR 40, STBD	MOUNT NEAR VALVE
3	ENG RM WWS STRAINER BLOW OFF WWS-2	V-3	1 EA	MN DK PASSAGEWAY FR 40, STBD	MOUNT NEAR VALVE
4	TUNNEL WWS CONTROL STATION	B-2	1 EA	ENGINE ROOM BHD 25, STBD	MOUNT IN CONTROL STATION
5	TUNNEL WWS CONTROL VALVE WWS-1	V-3	1 EA	ENGINE ROOM BHD 25, STBD	MOUNT NEAR VALVE
6	TUNNEL WWS STRAINER BLOW OFF/LOW POINT DRAIN WWS-2	V-3	1 EA	ENGINE ROOM BHD 25, STBD	MOUNT NEAR VALVE
7	BOW THRUSTER RM WWS CONTROL STATION	B-2	1 EA	TUNNEL BHD 17, STBD	MOUNT NEAR CONTROL STATION
8	BOW THRUSTER RM WWS CONTROL VALVE WWS-1	V-3	1 EA	TUNNEL BHD 17, STBD	MOUNT NEAR VALVE
9	BOW THRUSTER RM WWS STRAINER BLOW OFF WWS-2	V-3	1 EA	TUNNEL BHD 17, STBD	MOUNT NEAR VALVE
10	BOW THRUSTER RM WWS LOW POINT DRAIN WWS-3	V-3	1 EA	TUNNEL BHD 17, STBD	MOUNT NEAR VALVE



VIEW 5-C
STYLE B-2



VIEW 2-B
STYLE V-3

3	06KR7	PRO-3032	2 EA	TAPE, POLYETHYLENE, WHITE CLOSED CELL, DOUBLE COATED	COML (PRO TAPE)		—
2			3 EA	SYSTEM OPERATION PLACARD, LAMINATED PHENOLIC PLASTIC, WHITE CORE WITH RED SURFACE		PHEN	—
1			10 EA	LABEL PLATE, LAMINATED PHENOLIC PLASTIC, WHITE CORE WITH RED SURFACE		PHEN	—
FIND NO.	CAGE CODE	PART OR IDENTIFYING NUMBER	TOTAL QUANTITY REQUIRED	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	MATERIAL	UNIT WEIGHT (LB)
PARTS LIST							
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: 2 PLACES 3 PLACES ANGLES ± — ± — ± —				CONTRACT NUMBER DTRS57-97-C-00049	U.S. ARMY TANK AUTOMOTIVE COMMAND WARREN, MICHIGAN 48397-5000		
				CONTRACTOR 2R341			
DRAWN BY BO		DATE 05/15/98		RPE (FP) CLASS APPROVAL PHILIP DINENNO STATE OF TENNESSEE LIC. NO. 015882			
CHECKER AK		ENGINEER JS					
CLASS DESIGN APPROVAL MARK GENTILE				U.S. ARMY LCU-2000 WATER WASHDOWN SYSTEM LABEL PLATES AND PLACARDS			
CLASS DRAWING APPROVAL MARK GENTILE 4/28/99							
SIZE D	CAGE CODE 19207	LCU-2000-5231-2					
SCALE 1/1						SHEET 1 OF 3	

DISTRIBUTION STATEMENT A
APPROVED FOR PUBLIC RELEASE;
DISTRIBUTION IS UNLIMITED.

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REVISION

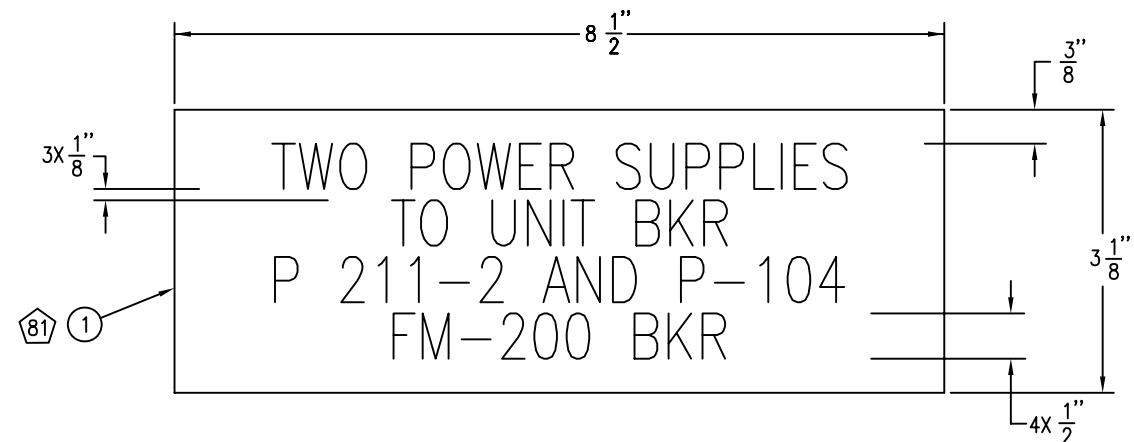
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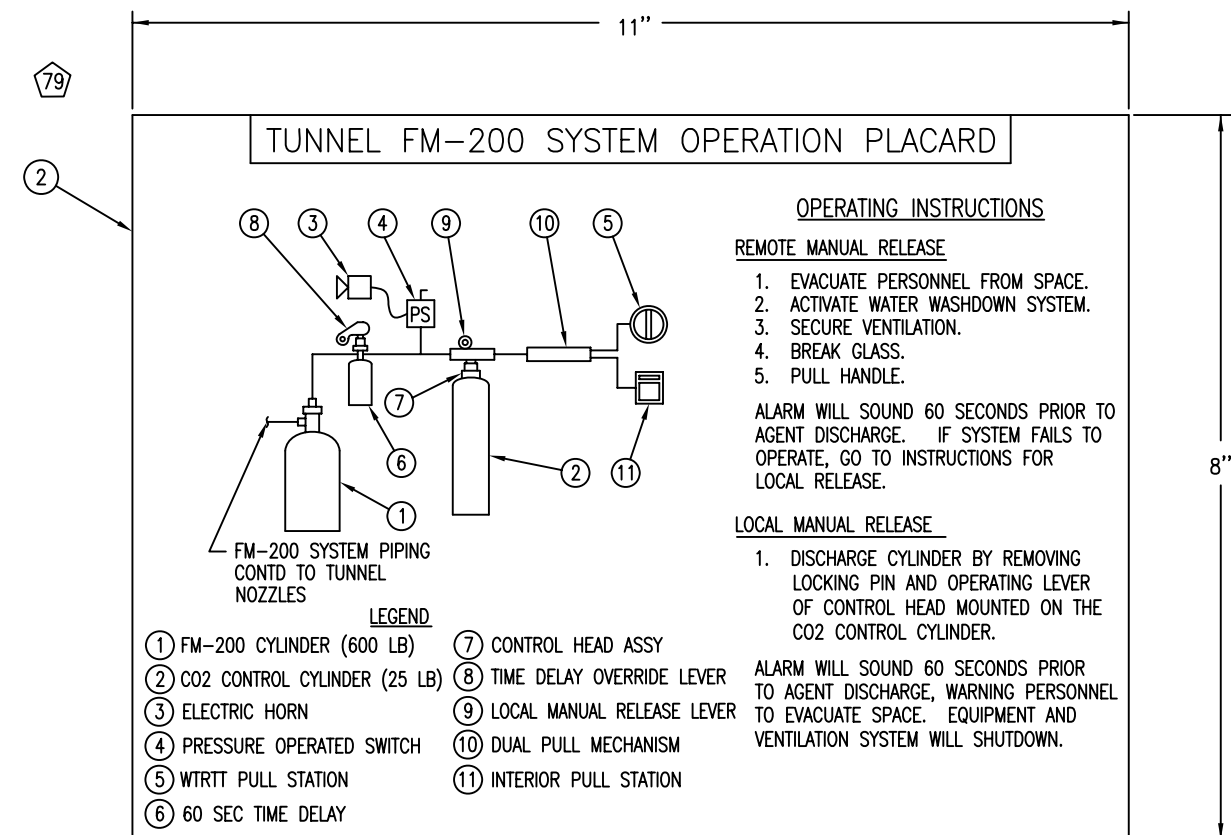
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DATE

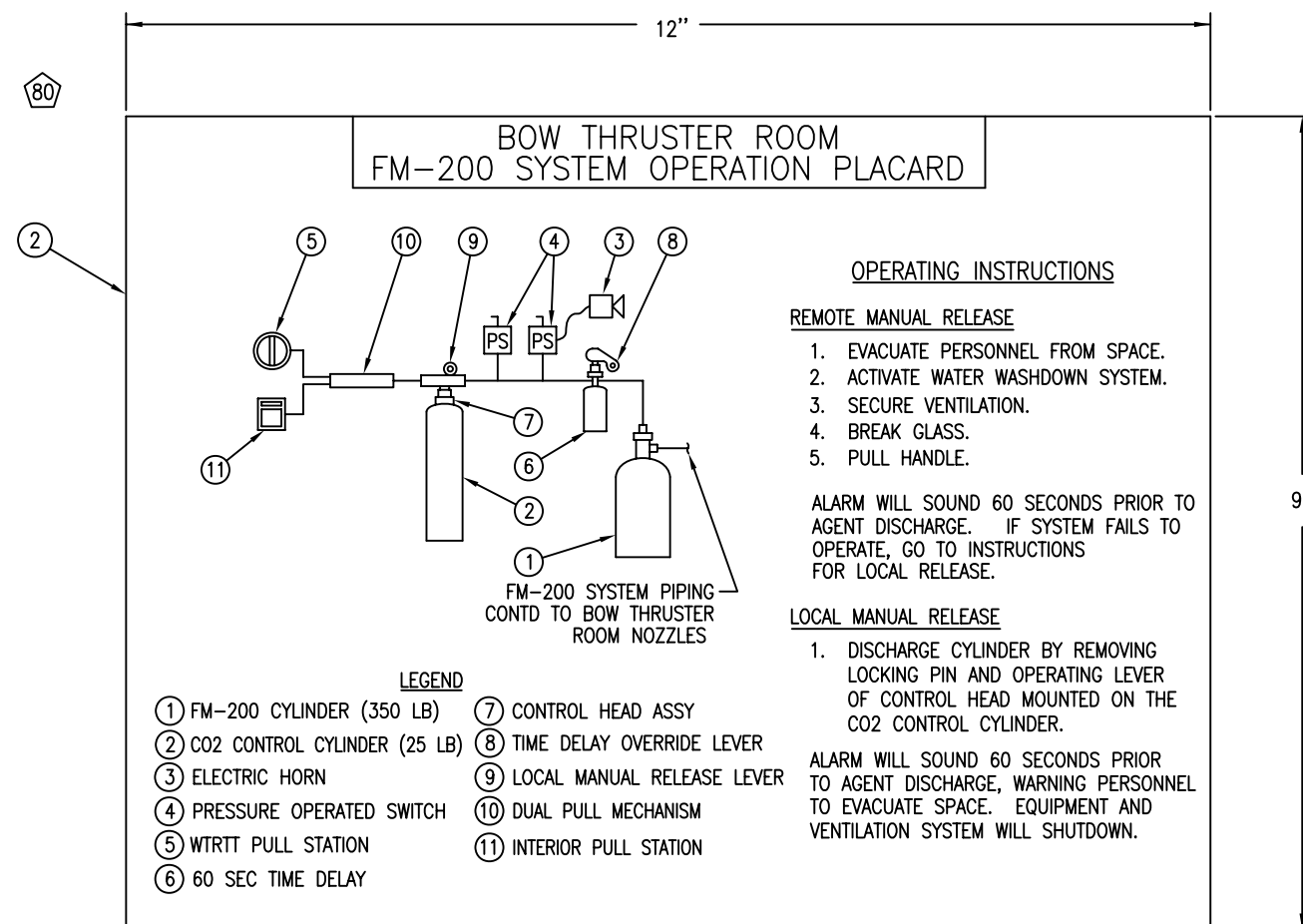
APPROVED



VIEW 87-C
SF-3 BREAKER
LABEL PLATE

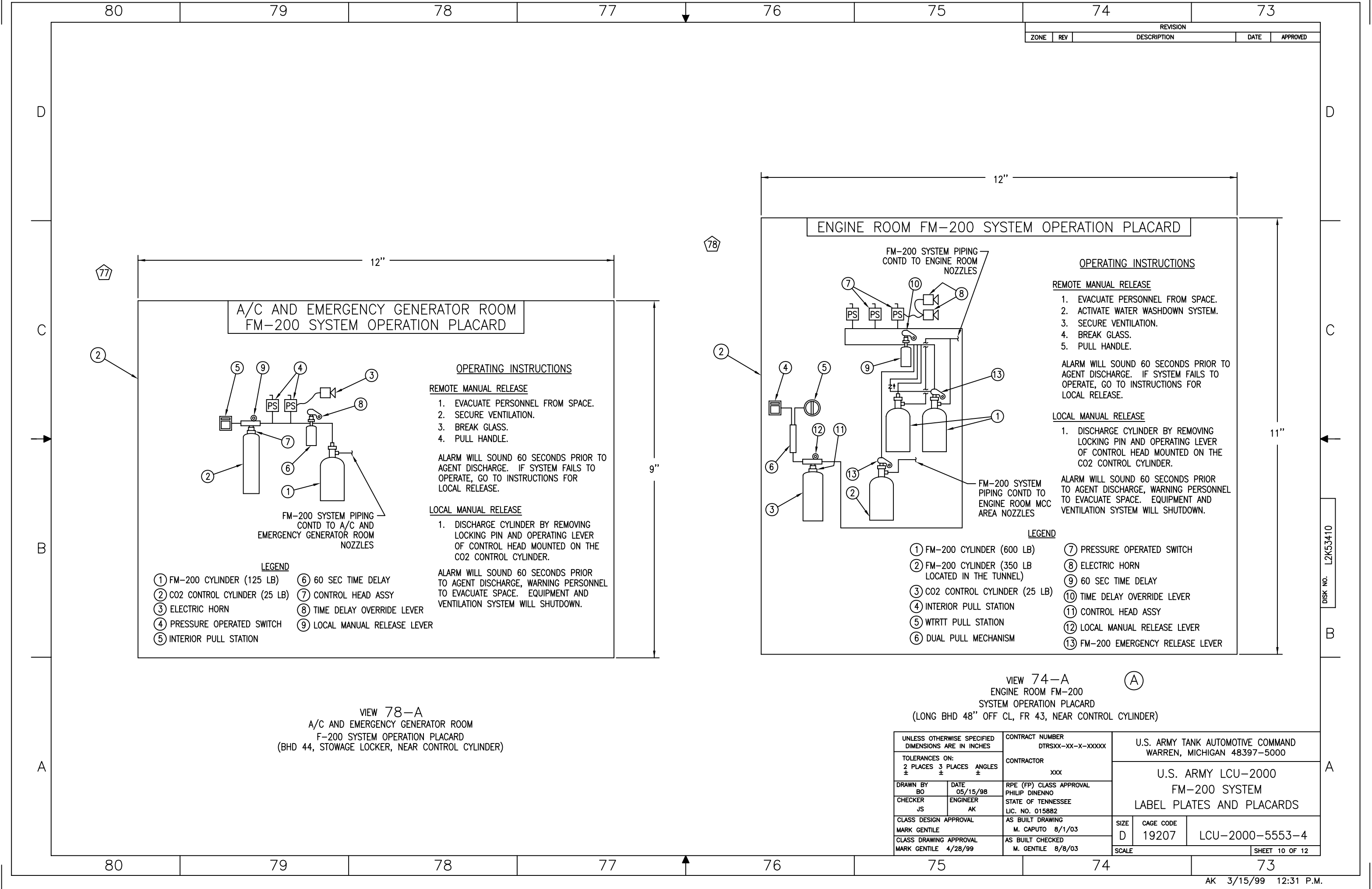


VIEW 86-A
TUNNEL FM-200
SYSTEM OPERATION PLACARD
(LONG BHD 7'-0" OFF CL, FR 27, NEAR CONTROL CYLINDER)

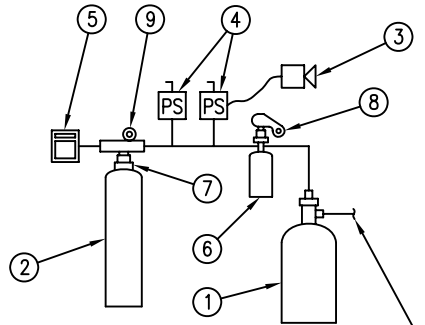


VIEW 82-A
BOW THRUSTER ROOM
F-200 SYSTEM OPERATION PLACARD
(LONG BHD 7'-0" OFF CL, FR 20, NEAR CONTROL CYLINDER)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			CONTRACT NUMBER DTRSXX-XX-X-XXXXX		U.S. ARMY TANK AUTOMOTIVE COMMAND WARREN, MICHIGAN 48397-5000		
TOLERANCES ON: 2 PLACES 3 PLACES ANGLES ± ± ±							
DRAWN BY BO		DATE 05/15/98	RPE (FP) CLASS APPROVAL PHILIP DINENNO				
CHECKER JS		ENGINEER AK	STATE OF TENNESSEE LIC. NO. 015882				
CLASS DESIGN APPROVAL MARK GENTILE			AS BUILT DRAWING M. CAPUTO 8/1/03		SIZE D	CAGE CODE 19207	LCU-2000-5553-4
CLASS DRAWING APPROVAL MARK GENTILE 4/28/99			AS BUILT CHECKED M. GENTILE 8/8/03				
					SCALE		SHEET 11 OF 12



A/C AND EMERGENCY GENERATOR ROOM
FM-200 SYSTEM OPERATION PLACARD



- LEGEND**
- ① FM-200 CYLINDER (125 LB)
 - ② CO2 CONTROL CYLINDER (25 LB)
 - ③ ELECTRIC HORN
 - ④ PRESSURE OPERATED SWITCH
 - ⑤ INTERIOR PULL STATION
 - ⑥ 60 SEC TIME DELAY
 - ⑦ CONTROL HEAD ASSY
 - ⑧ TIME DELAY OVERRIDE LEVER
 - ⑨ LOCAL MANUAL RELEASE LEVER

OPERATING INSTRUCTIONS

REMOTE MANUAL RELEASE

1. EVACUATE PERSONNEL FROM SPACE.
2. SECURE VENTILATION.
3. BREAK GLASS.
4. PULL HANDLE.

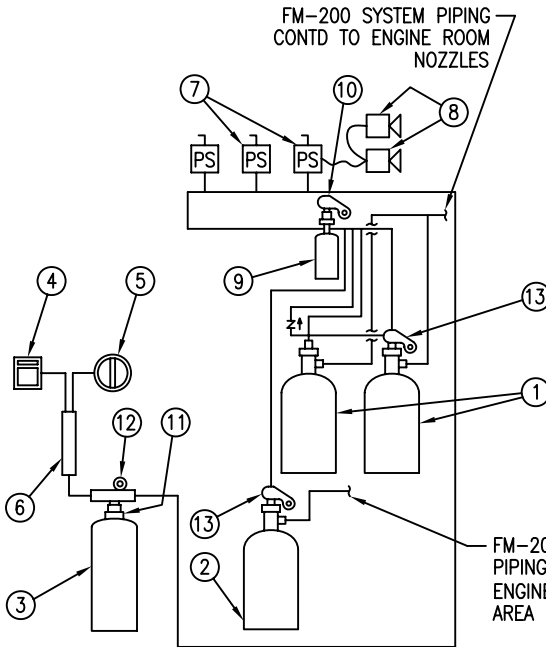
ALARM WILL SOUND 60 SECONDS PRIOR TO AGENT DISCHARGE. IF SYSTEM FAILS TO OPERATE, GO TO INSTRUCTIONS FOR LOCAL RELEASE.

LOCAL MANUAL RELEASE

1. DISCHARGE CYLINDER BY REMOVING LOCKING PIN AND OPERATING LEVER OF CONTROL HEAD MOUNTED ON THE CO2 CONTROL CYLINDER.

ALARM WILL SOUND 60 SECONDS PRIOR TO AGENT DISCHARGE, WARNING PERSONNEL TO EVACUATE SPACE. EQUIPMENT AND VENTILATION SYSTEM WILL SHUTDOWN.

ENGINE ROOM FM-200 SYSTEM OPERATION PLACARD



- LEGEND**
- ① FM-200 CYLINDER (600 LB)
 - ② FM-200 CYLINDER (350 LB LOCATED IN THE TUNNEL)
 - ③ CO2 CONTROL CYLINDER (25 LB)
 - ④ INTERIOR PULL STATION
 - ⑤ WTRTT PULL STATION
 - ⑥ DUAL PULL MECHANISM
 - ⑦ PRESSURE OPERATED SWITCH
 - ⑧ ELECTRIC HORN
 - ⑨ 60 SEC TIME DELAY
 - ⑩ TIME DELAY OVERRIDE LEVER
 - ⑪ CONTROL HEAD ASSY
 - ⑫ LOCAL MANUAL RELEASE LEVER
 - ⑬ FM-200 EMERGENCY RELEASE LEVER

OPERATING INSTRUCTIONS

REMOTE MANUAL RELEASE

1. EVACUATE PERSONNEL FROM SPACE.
2. ACTIVATE WATER WASHDOWN SYSTEM.
3. SECURE VENTILATION.
4. BREAK GLASS.
5. PULL HANDLE.

ALARM WILL SOUND 60 SECONDS PRIOR TO AGENT DISCHARGE. IF SYSTEM FAILS TO OPERATE, GO TO INSTRUCTIONS FOR LOCAL RELEASE.

LOCAL MANUAL RELEASE

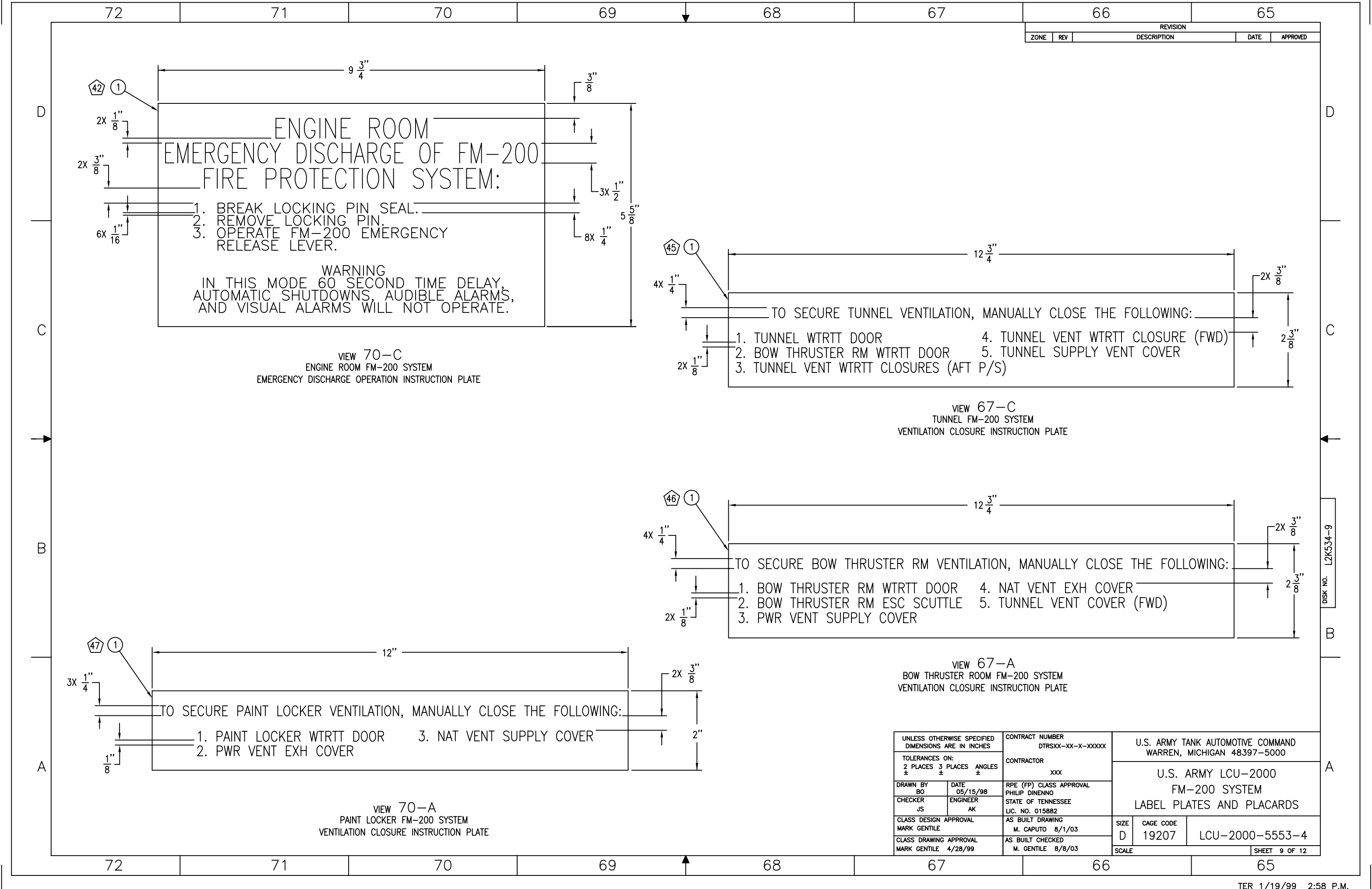
1. DISCHARGE CYLINDER BY REMOVING LOCKING PIN AND OPERATING LEVER OF CONTROL HEAD MOUNTED ON THE CO2 CONTROL CYLINDER.

ALARM WILL SOUND 60 SECONDS PRIOR TO AGENT DISCHARGE, WARNING PERSONNEL TO EVACUATE SPACE. EQUIPMENT AND VENTILATION SYSTEM WILL SHUTDOWN.

VIEW 78-A
A/C AND EMERGENCY GENERATOR ROOM
F-200 SYSTEM OPERATION PLACARD
(BHD 44, STOWAGE LOCKER, NEAR CONTROL CYLINDER)

VIEW 74-A
ENGINE ROOM FM-200
SYSTEM OPERATION PLACARD
(LONG BHD 48" OFF CL, FR 43, NEAR CONTROL CYLINDER)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CONTRACT NUMBER DTRSXX-XX-X-XXXX		U.S. ARMY TANK AUTOMOTIVE COMMAND WARREN, MICHIGAN 48397-5000	
TOLERANCES ON: 2 PLACES 3 PLACES ANGLES ± ± ±		CONTRACTOR XXX		U.S. ARMY LCU-2000 FM-200 SYSTEM LABEL PLATES AND PLACARDS	
DRAWN BY BO	DATE 05/15/98	RPE (FP) CLASS APPROVAL PHILIP DINENNO STATE OF TENNESSEE LIC. NO. 015882		SIZE D	CAGE CODE 19207
CHECKER JS	ENGINEER AK	AS BUILT DRAWING M. CAPUTO 8/1/03		LCU-2000-5553-4	
CLASS DESIGN APPROVAL MARK GENTILE		AS BUILT CHECKED M. GENTILE 8/8/03		SCALE	SHEET 10 OF 12
CLASS DRAWING APPROVAL MARK GENTILE 4/28/99					



ENGINE ROOM
EMERGENCY DISCHARGE OF FM-200
FIRE PROTECTION SYSTEM:

1. BREAK LOCKING PIN SEAL.
2. REMOVE LOCKING PIN.
3. OPERATE FM-200 EMERGENCY RELEASE LEVER.

WARNING
IN THIS MODE 60 SECOND TIME DELAY,
AUTOMATIC SHUTDOWNS, AUDIBLE ALARMS,
AND VISUAL ALARMS WILL NOT OPERATE.

VIEW 70-C
ENGINE ROOM FM-200 SYSTEM
EMERGENCY DISCHARGE OPERATION INSTRUCTION PLATE

TO SECURE TUNNEL VENTILATION, MANUALLY CLOSE THE FOLLOWING:

1. TUNNEL WTRTT DOOR
2. BOW THRUSTER RM WTRTT DOOR
3. TUNNEL VENT WTRTT CLOSURES (AFT P/S)
4. TUNNEL VENT WTRTT CLOSURE (FWD)
5. TUNNEL SUPPLY VENT COVER

VIEW 67-C
TUNNEL FM-200 SYSTEM
VENTILATION CLOSURE INSTRUCTION PLATE

TO SECURE BOW THRUSTER RM VENTILATION, MANUALLY CLOSE THE FOLLOWING:

1. BOW THRUSTER RM WTRTT DOOR
2. BOW THRUSTER RM ESC SCUTTLE
3. PWR VENT SUPPLY COVER
4. NAT VENT EXH COVER
5. TUNNEL VENT COVER (FWD)

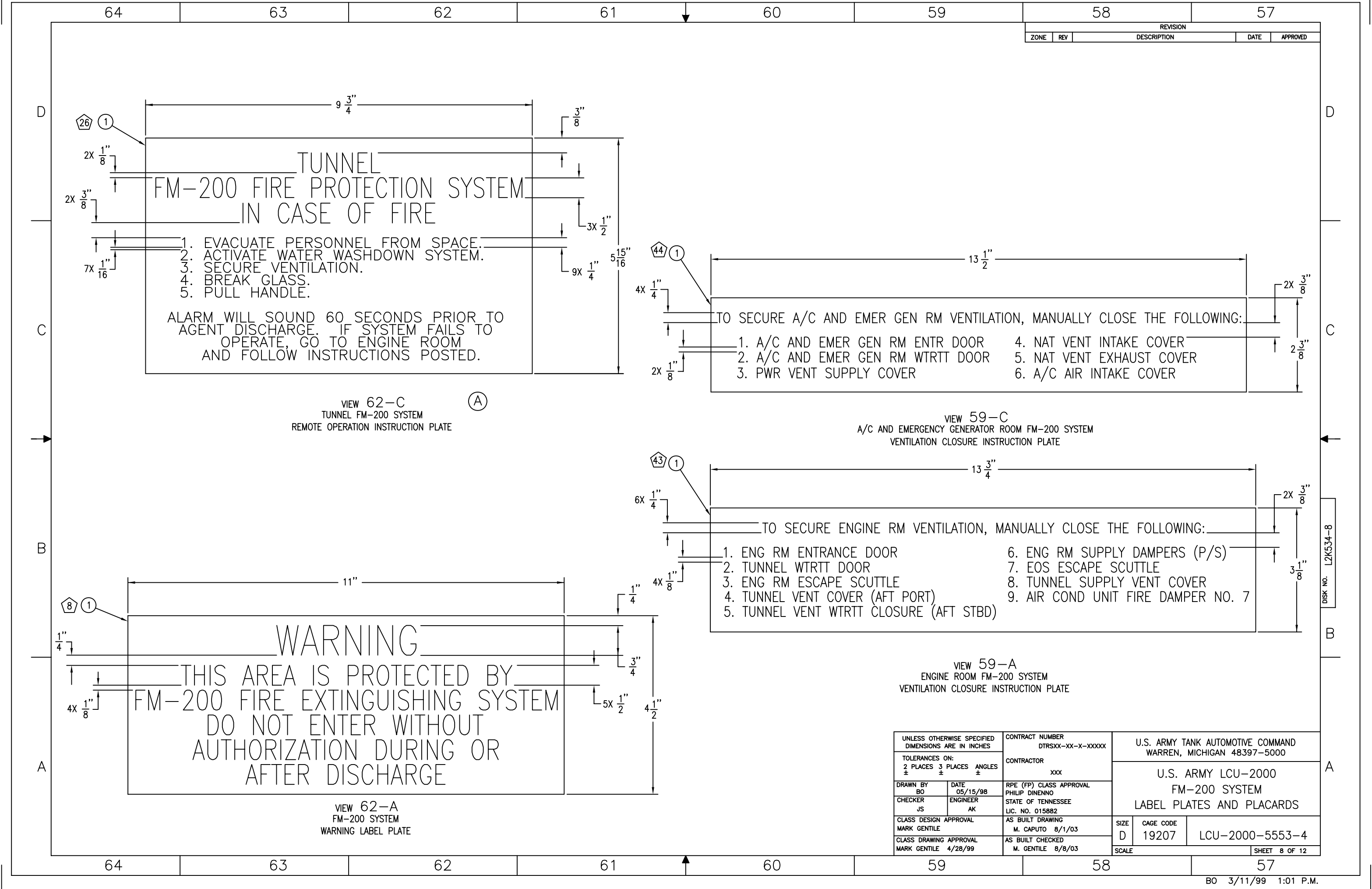
VIEW 67-A
BOW THRUSTER ROOM FM-200 SYSTEM
VENTILATION CLOSURE INSTRUCTION PLATE

TO SECURE PAINT LOCKER VENTILATION, MANUALLY CLOSE THE FOLLOWING:

1. PAINT LOCKER WTRTT DOOR
2. PWR VENT EXH COVER
3. NAT VENT SUPPLY COVER

VIEW 70-A
PAINT LOCKER FM-200 SYSTEM
VENTILATION CLOSURE INSTRUCTION PLATE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CONTRACT NUMBER DTRSXX-XX-X-XXXXX		U.S. ARMY TANK AUTOMOTIVE COMMAND WARREN, MICHIGAN 48397-5000		
TOLERANCES ON: 2 PLACES 3 PLACES ANGLES ± ± ±		CONTRACTOR XXX				
DRAWN BY BO	DATE 05/15/98	RPE (FP) CLASS APPROVAL PHILIP DINENNO		U.S. ARMY LCU-2000 FM-200 SYSTEM LABEL PLATES AND PLACARDS		
CHECKER JS	ENGINEER AK	STATE OF TENNESSEE LIC. NO. 015882				
CLASS DESIGN APPROVAL MARK GENTILE		AS BUILT DRAWING M. CAPUTO 8/1/03				
CLASS DRAWING APPROVAL MARK GENTILE 4/28/99		AS BUILT CHECKED M. GENTILE 8/8/03		SIZE D	CAGE CODE 19207	LCU-2000-5553-4
SCALE				SHEET 9 OF 12		



REVISION				
ZONE	REV	DESCRIPTION		DATE
				APPROVED

1. EVACUATE PERSONNEL FROM SPACE.
2. ACTIVATE WATER WASHDOWN SYSTEM.
3. SECURE VENTILATION.
4. BREAK GLASS.
5. PULL HANDLE.

ALARM WILL SOUND 60 SECONDS PRIOR TO AGENT DISCHARGE. IF SYSTEM FAILS TO OPERATE, GO TO ENGINE ROOM AND FOLLOW INSTRUCTIONS POSTED.

VIEW 62-C
TUNNEL FM-200 SYSTEM
REMOTE OPERATION INSTRUCTION PLATE

TO SECURE A/C AND EMER GEN RM VENTILATION, MANUALLY CLOSE THE FOLLOWING:

1. A/C AND EMER GEN RM ENTR DOOR
2. A/C AND EMER GEN RM WTRTT DOOR
3. PWR VENT SUPPLY COVER
4. NAT VENT INTAKE COVER
5. NAT VENT EXHAUST COVER
6. A/C AIR INTAKE COVER

VIEW 59-C
A/C AND EMERGENCY GENERATOR ROOM FM-200 SYSTEM
VENTILATION CLOSURE INSTRUCTION PLATE

TO SECURE ENGINE RM VENTILATION, MANUALLY CLOSE THE FOLLOWING:

1. ENG RM ENTRANCE DOOR
2. TUNNEL WTRTT DOOR
3. ENG RM ESCAPE SCUTTLE
4. TUNNEL VENT COVER (AFT PORT)
5. TUNNEL VENT WTRTT CLOSURE (AFT STBD)
6. ENG RM SUPPLY DAMPERS (P/S)
7. EOS ESCAPE SCUTTLE
8. TUNNEL SUPPLY VENT COVER
9. AIR COND UNIT FIRE DAMPER NO. 7

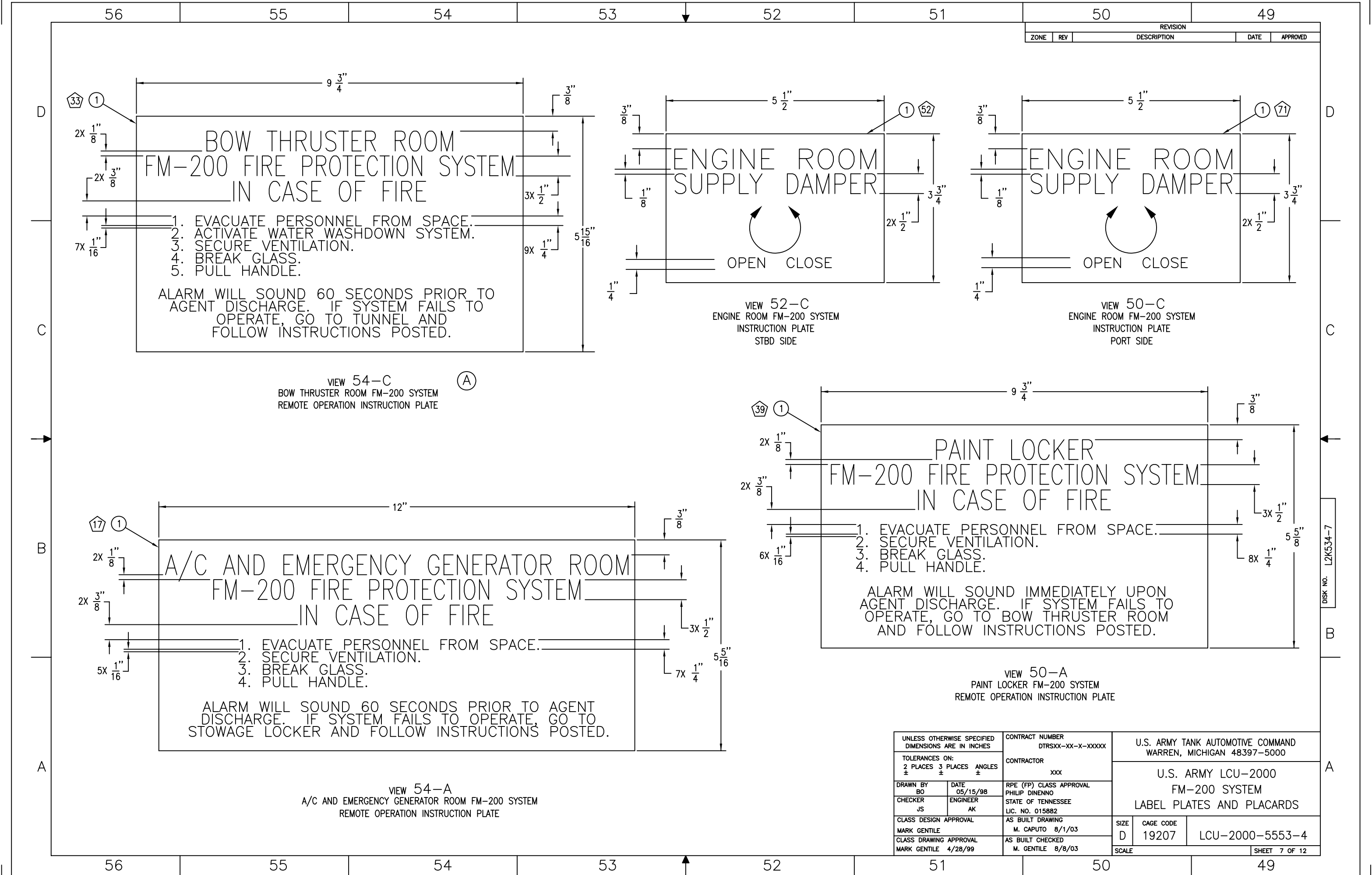
VIEW 59-A
ENGINE ROOM FM-200 SYSTEM
VENTILATION CLOSURE INSTRUCTION PLATE

WARNING

THIS AREA IS PROTECTED BY FM-200 FIRE EXTINGUISHING SYSTEM
DO NOT ENTER WITHOUT AUTHORIZATION DURING OR AFTER DISCHARGE

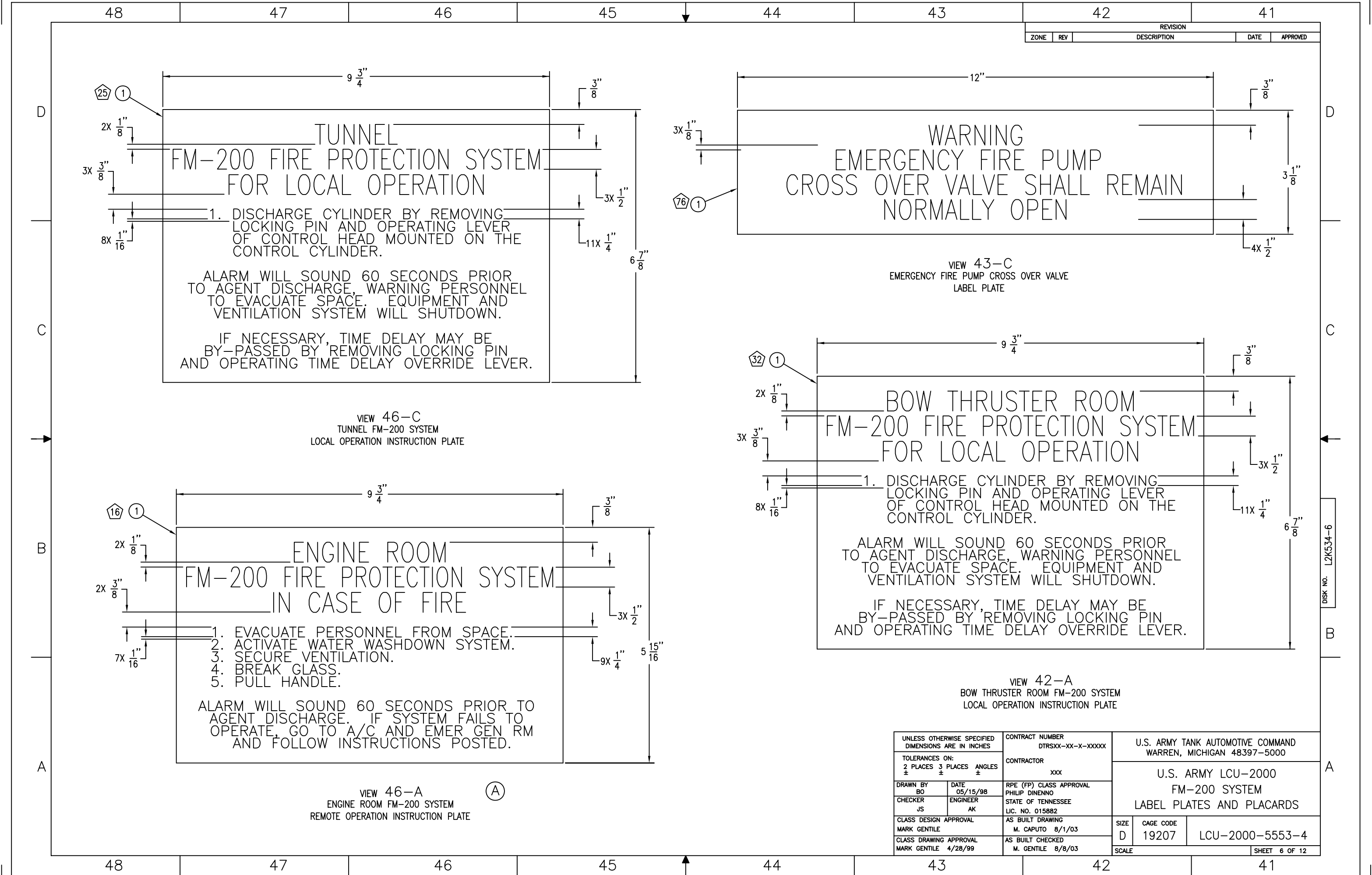
VIEW 62-A
FM-200 SYSTEM
WARNING LABEL PLATE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			CONTRACT NUMBER DTRSXX-XX-X-XXXXX		U.S. ARMY TANK AUTOMOTIVE COMMAND WARREN, MICHIGAN 48397-5000						
TOLERANCES ON: 2 PLACES 3 PLACES ANGLES ± ± ±			CONTRACTOR XXX								
DRAWN BY BO		DATE 05/15/98		U.S. ARMY LCU-2000 FM-200 SYSTEM LABEL PLATES AND PLACARDS							
CHECKER JS		ENGINEER AK									
CLASS DESIGN APPROVAL MARK GENTILE				AS BUILT DRAWING M. CAPUTO 8/1/03		SIZE D		CAGE CODE 19207		LCU-2000-5553-4	
CLASS DRAWING APPROVAL MARK GENTILE 4/28/99				AS BUILT CHECKED M. GENTILE 8/8/03		SCALE		SHEET 8 OF 12			



REVISION				
ZONE	REV	DESCRIPTION	DATE	APPROVED

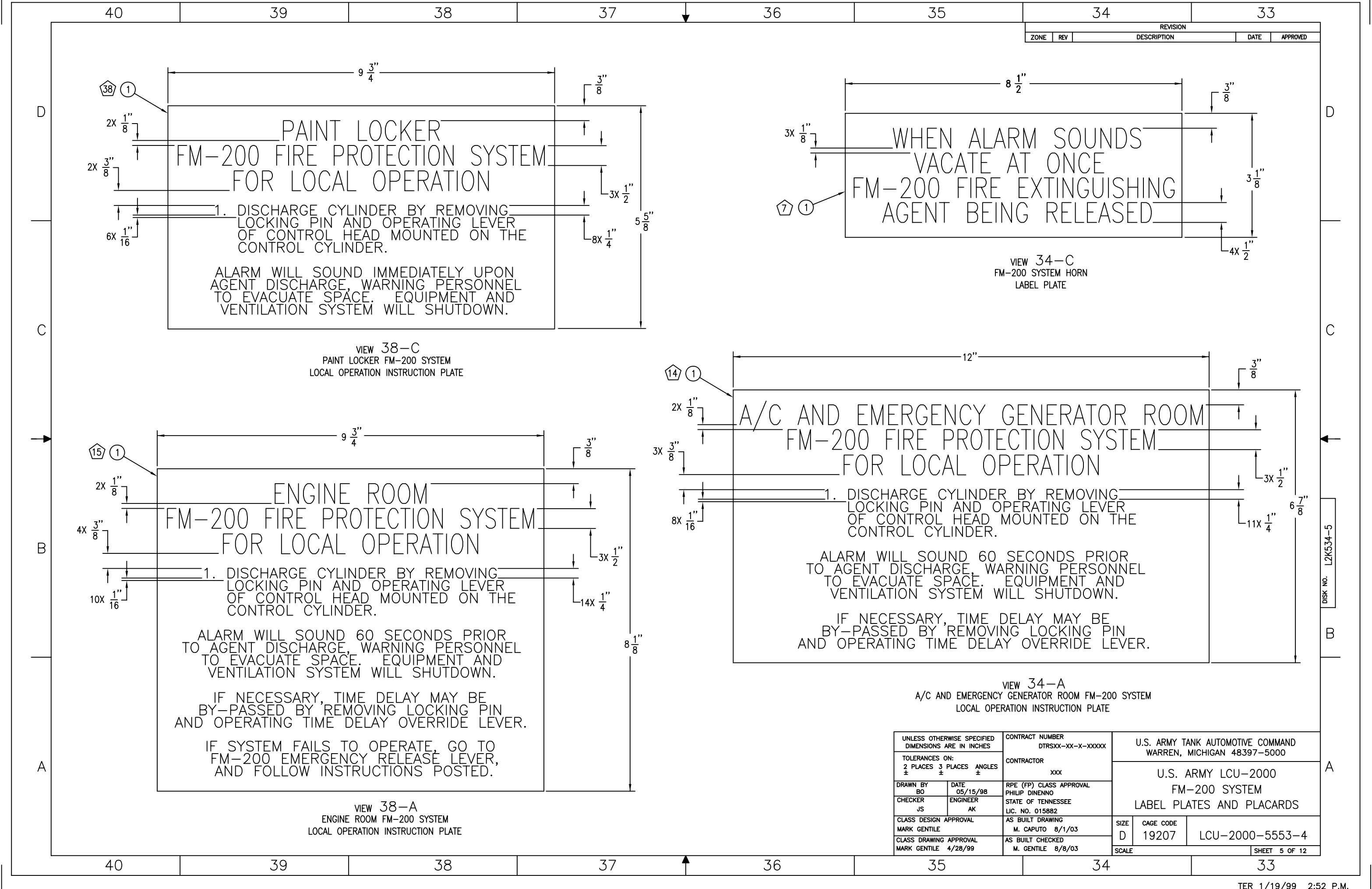
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CONTRACT NUMBER DTRSXX-XX-X-XXXXX		U.S. ARMY TANK AUTOMOTIVE COMMAND WARREN, MICHIGAN 48397-5000		
TOLERANCES ON: 2 PLACES 3 PLACES ANGLES ± ± ±		CONTRACTOR XXX				
DRAWN BY BO	DATE 05/15/98	RPE (FP) CLASS APPROVAL PHILIP DINENNO STATE OF TENNESSEE LIC. NO. 015882		U.S. ARMY LCU-2000 FM-200 SYSTEM LABEL PLATES AND PLACARDS		
CHECKER JS	ENGINEER AK					
CLASS DESIGN APPROVAL MARK GENTILE		AS BUILT DRAWING M. CAPUTO 8/1/03		SIZE D	CAGE CODE 19207	LCU-2000-5553-4
CLASS DRAWING APPROVAL MARK GENTILE 4/28/99		AS BUILT CHECKED M. GENTILE 8/8/03				
				SCALE		SHEET 7 OF 12



REVISION				
ZONE	REV	DESCRIPTION	DATE	APPROVED

VIEW 43-C
EMERGENCY FIRE PUMP CROSS OVER VALVE
LABEL PLATE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CONTRACT NUMBER DTRSXX-XX-X-XXXXX		U.S. ARMY TANK AUTOMOTIVE COMMAND WARREN, MICHIGAN 48397-5000		
TOLERANCES ON: 2 PLACES 3 PLACES ANGLES ± ± ±		CONTRACTOR XXX		U.S. ARMY LCU-2000 FM-200 SYSTEM LABEL PLATES AND PLACARDS		
DRAWN BY BO	DATE 05/15/98	RPE (FP) CLASS APPROVAL PHILIP DINENNO		SIZE D	CAGE CODE 19207	LCU-2000-5553-4
CHECKER JS	ENGINEER AK	STATE OF TENNESSEE LIC. NO. 015882				
CLASS DESIGN APPROVAL MARK GENTILE		AS BUILT DRAWING M. CAPUTO 8/1/03		SCALE		SHEET 6 OF 12
CLASS DRAWING APPROVAL MARK GENTILE 4/28/99		AS BUILT CHECKED M. GENTILE 8/8/03				



REVISION				
ZONE	REV	DESCRIPTION		DATE
				APPROVED

PAINT LOCKER
FM-200 FIRE PROTECTION SYSTEM
FOR LOCAL OPERATION

1. DISCHARGE CYLINDER BY REMOVING
LOCKING PIN AND OPERATING LEVER
OF CONTROL HEAD MOUNTED ON THE
CONTROL CYLINDER.

ALARM WILL SOUND IMMEDIATELY UPON
AGENT DISCHARGE, WARNING PERSONNEL
TO EVACUATE SPACE. EQUIPMENT AND
VENTILATION SYSTEM WILL SHUTDOWN.

VIEW 38-C
PAINT LOCKER FM-200 SYSTEM
LOCAL OPERATION INSTRUCTION PLATE

ENGINE ROOM
FM-200 FIRE PROTECTION SYSTEM
FOR LOCAL OPERATION

1. DISCHARGE CYLINDER BY REMOVING
LOCKING PIN AND OPERATING LEVER
OF CONTROL HEAD MOUNTED ON THE
CONTROL CYLINDER.

ALARM WILL SOUND 60 SECONDS PRIOR
TO AGENT DISCHARGE, WARNING PERSONNEL
TO EVACUATE SPACE. EQUIPMENT AND
VENTILATION SYSTEM WILL SHUTDOWN.

IF NECESSARY, TIME DELAY MAY BE
BY-PASSED BY REMOVING LOCKING PIN
AND OPERATING TIME DELAY OVERRIDE LEVER.

IF SYSTEM FAILS TO OPERATE, GO TO
FM-200 EMERGENCY RELEASE LEVER,
AND FOLLOW INSTRUCTIONS POSTED.

VIEW 38-A
ENGINE ROOM FM-200 SYSTEM
LOCAL OPERATION INSTRUCTION PLATE

WHEN ALARM SOUNDS
VACATE AT ONCE
FM-200 FIRE EXTINGUISHING
AGENT BEING RELEASED

VIEW 34-C
FM-200 SYSTEM HORN
LABEL PLATE

A/C AND EMERGENCY GENERATOR ROOM
FM-200 FIRE PROTECTION SYSTEM
FOR LOCAL OPERATION

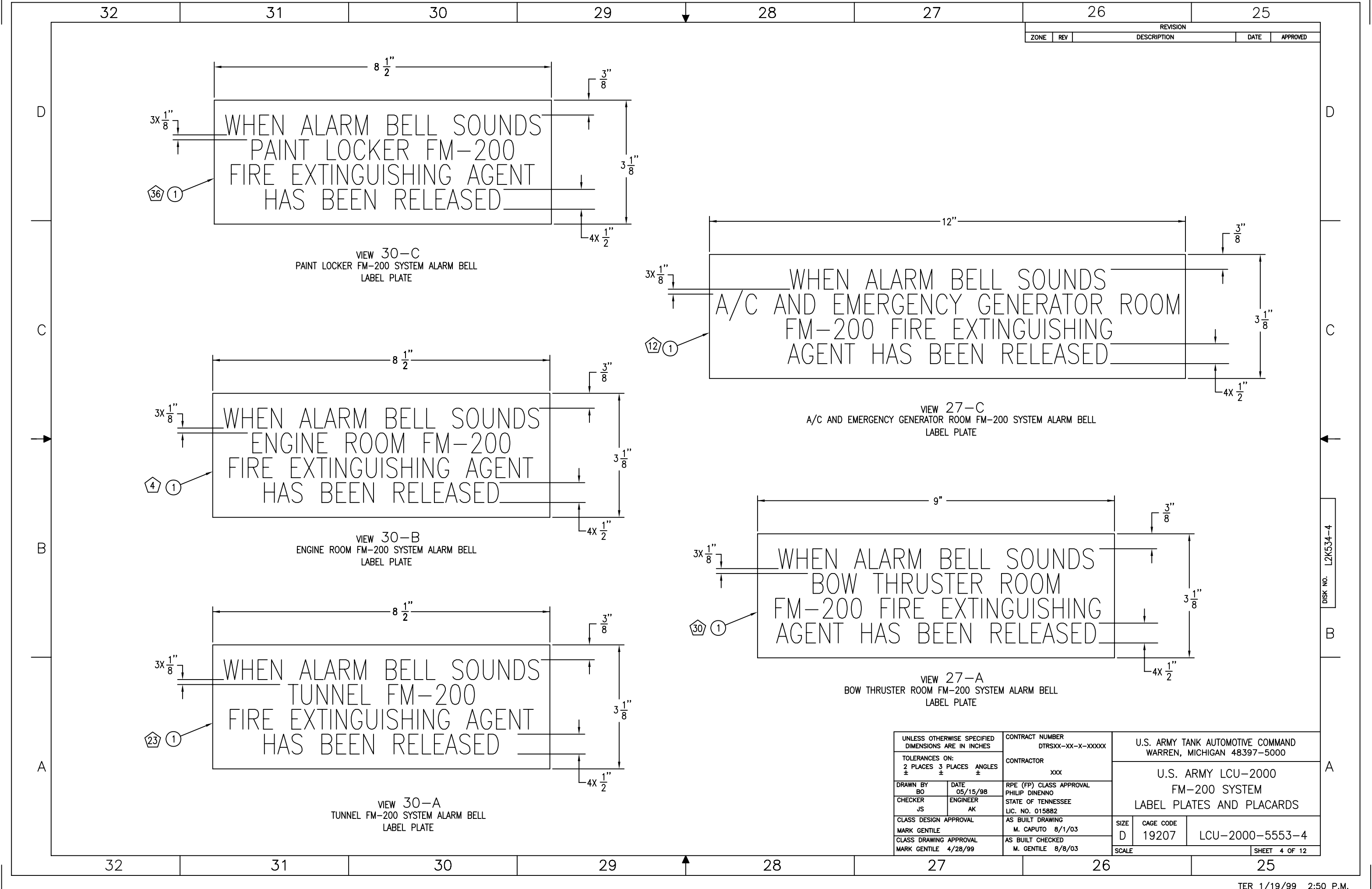
1. DISCHARGE CYLINDER BY REMOVING
LOCKING PIN AND OPERATING LEVER
OF CONTROL HEAD MOUNTED ON THE
CONTROL CYLINDER.

ALARM WILL SOUND 60 SECONDS PRIOR
TO AGENT DISCHARGE, WARNING PERSONNEL
TO EVACUATE SPACE. EQUIPMENT AND
VENTILATION SYSTEM WILL SHUTDOWN.

IF NECESSARY, TIME DELAY MAY BE
BY-PASSED BY REMOVING LOCKING PIN
AND OPERATING TIME DELAY OVERRIDE LEVER.

VIEW 34-A
A/C AND EMERGENCY GENERATOR ROOM FM-200 SYSTEM
LOCAL OPERATION INSTRUCTION PLATE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CONTRACT NUMBER DTRSXX-XX-X-XXXXX		U.S. ARMY TANK AUTOMOTIVE COMMAND WARREN, MICHIGAN 48397-5000		
TOLERANCES ON: 2 PLACES 3 PLACES ANGLES ± ± ±		CONTRACTOR XXX				
DRAWN BY BO	DATE 05/15/98	RPE (FP) CLASS APPROVAL PHILIP DINENNO		U.S. ARMY LCU-2000 FM-200 SYSTEM LABEL PLATES AND PLACARDS		
CHECKER JS	ENGINEER AK	STATE OF TENNESSEE LIC. NO. 015882				
CLASS DESIGN APPROVAL MARK GENTILE		AS BUILT DRAWING M. CAPUTO 8/1/03		SIZE D	CAGE CODE 19207	LCU-2000-5553-4
CLASS DRAWING APPROVAL MARK GENTILE 4/28/99		AS BUILT CHECKED M. GENTILE 8/8/03		SCALE		



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CONTRACT NUMBER DTRSXX-XX-X-XXXXX		U.S. ARMY TANK AUTOMOTIVE COMMAND WARREN, MICHIGAN 48397-5000		
TOLERANCES ON: 2 PLACES 3 PLACES ANGLES ± ± ±		CONTRACTOR XXX				
DRAWN BY BO	DATE 05/15/98	RPE (FP) CLASS APPROVAL PHILIP DINENNO		U.S. ARMY LCU-2000 FM-200 SYSTEM LABEL PLATES AND PLACARDS		
CHECKER JS	ENGINEER AK	STATE OF TENNESSEE LIC. NO. 015882				
CLASS DESIGN APPROVAL MARK GENTILE		AS BUILT DRAWING M. CAPUTO 8/1/03		SIZE D	CAGE CODE 19207	LCU-2000-5553-4
CLASS DRAWING APPROVAL MARK GENTILE 4/28/99		AS BUILT CHECKED M. GENTILE 8/8/03		SCALE		
						SHEET 4 OF 12

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REVISION

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DESCRIPTION

DATE

APPROVED

LABEL PLATE LIST (CONTINUED)

ITEM NO.	INSCRIPTION	LABEL STYLE	QTY REQD	LOCATION	REMARKS
20	FM-200 DISCH WARNING LIGHT	B-2	7 EA	ENG RM (2) MACHINE SHOP (1) STOREROOM (1) TUNNEL (1) A/C AND EMER GEN RM (1) BOW THRUSTER RM (1)	MT NEAR LIGHT
21	TUNNEL CYLINDER CONTROL PULL BOX	B-3	2 EA	MN DK, BHD 28 (1) ENG RM, BHD 25 (1)	MT NEAR PULL BOX
22	PS-5	A-1	1 EA	ENGINE RM FR 25, PORT	MT ON PS
23	FOR LABEL PLATE DEPICTION SEE VIEW 30-A	-	1 EA	MAIN DECK BHD 28, PORT	MT NEAR BELL
24	TUNNEL FM-200 SYSTEM HF GAS SAMPLING PORT	B-3	1 EA	ENGINE RM BHD 25, STBD	MT ABOVE SAMPLING PORT
25	FOR LABEL PLATE DEPICTION SEE VIEW 46-C	-	1 EA	ENGINE RM FR 25, PORT	MT NEAR CONTROL CYLINDER
26	FOR LABEL PLATE DEPICTION SEE VIEW 62-C	-	2 EA	MN DK, BHD 28 (1) ENG RM, BHD 25 (1)	MT NEAR PULL BOX
27	BOW THRUSTER RM CYLINDER CONTROL PULL BOX	B-3	2 EA	TUNNEL, BHD 17 (1) MN DK, BHD 28 (1)	MT NEAR PULL BOX
28	PS-6	A-1	1 EA	TUNNEL FR 19, PORT	MT ON PS
29	PS-7	A-1	1 EA	TUNNEL FR 19, PORT	MT ON PS
30	FOR LABEL PLATE DEPICTION SEE VIEW 27-A	-	1 EA	MAIN DECK BHD 28, STBD	MT NEAR BELL
31	BOW THRUSTER RM FM-200 SYSTEM HF GAS SAMPLING PORT	B-3	1 EA	TUNNEL BHD 17, STBD	MT NEAR SAMPLING PORT
32	FOR LABEL PLATE DEPICTION SEE VIEW 42-A	-	1 EA	TUNNEL FR 19, PORT	MT NEAR CONTROL CYLINDER

LABEL PLATE LIST (CONTINUED)

ITEM NO.	INSCRIPTION	LABEL STYLE	QTY REQD	LOCATION	REMARKS
33	FOR LABEL PLATE DEPICTION SEE VIEW 54-C	-	2 EA	TUNNEL, BHD 17 (1) MN DK BHD 28 (1)	MT NEAR PULL BOX
34	PAINT LOCKER CYLINDER CONTROL PULL BOX	B-3	1 EA	MAIN DECK BHD 13, PORT	MT NEAR PULL BOX
35	PS-8	A-1	1 EA	BOW THRUSTER RM FR 10, PORT	MT ON PS
36	FOR LABEL PLATE DEPICTION SEE VIEW 30-C	-	1 EA	MAIN DECK BHD 13, PORT	MT NEAR BELL
37	PAINT LOCKER FM-200 SYSTEM HF GAS SAMPLING PORT	B-3	1 EA	MAIN DECK BHD 13, PORT	MT ABOVE SAMPLING PORT
38	FOR LABEL PLATE DEPICTION SEE VIEW 38-C	-	1 EA	BOW THRUSTER RM FR 10, PORT	MT NEAR CONTROL CYLINDER
39	FOR LABEL PLATE DEPICTION SEE VIEW 50-A	-	1 EA	MAIN DECK BHD 13, PORT	MT NEAR PULL BOX
40	WARNING CONTAINS TWO POWER SOURCES	A-3	3 EA	A/C AND EMER GEN RM (1) STOWAGE LKR (1) TUNNEL (1)	MT ON PS-1, 4, 6
41	WARNING CONTAINS THREE POWER SOURCES	A-3	1 EA	A/C AND EMER GEN RM, FR 43	MT ON PS-2
42	FOR LABEL PLATE DEPICTION SEE VIEW 70-C	-	2EA	A/C AND EMER GEN RM, FR 43 (1) BULKHEAD NEXT TO TUNNEL CYL. (1)	MT NEAR FM-200 CYLINDERS MT NEAR FM-200 CYLINDERS
43	FOR LABEL PLATE DEPICTION SEE VIEW 59-A	-	2 EA	PASSAGEWAY MN DK (1) MN DK, BHD 28 (1)	MT NEAR PULL BOX
44	FOR LABEL PLATE DEPICTION SEE VIEW 59-C	-	1 EA	PASSAGEWAY MN DK FR 46, STBD	MT NEAR PULL BOX
45	FOR LABEL PLATE DEPICTION SEE VIEW 67-C	-	2 EA	MN DK, BHD 28 (1) ENG RM, BHD 25 (1)	MT NEAR PULL BOX
46	FOR LABEL PLATE DEPICTION SEE VIEW 67-A	-	2 EA	MN DK, BHD 28 (1) TUNNEL, BHD 17 (1)	MT NEAR PULL BOX

66

1

2X 1" 16

1" 4

1" 8

3"

VIEW 10-C

FM-200 EMERGENCY SWITCHBOARD LABEL PLATE

SEE NOTE 7

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES

TOLERANCES ON:
2 PLACES 3 PLACES ANGLES
± ± ±

DRAWN BY
BO

CHECKER
JS

CLASS DESIGN APPROVAL
MARK GENTILE

CLASS DRAWING APPROVAL
MARK GENTILE 4/28/99

DATE
05/15/98

ENGINEER
AK

AS BUILT DRAWING
M. CAPUTO 8/1/03

AS BUILT CHECKED
M. GENTILE 8/8/03

CONTRACT NUMBER
DTRSXX-XX-X-XXXXX

CONTRACTOR
XXX

RPE (FP) CLASS APPROVAL
PHILIP DINENNO
STATE OF TENNESSEE
LIC. NO. 015882

SIZE
D

CAGE CODE
19207

SCALE

U.S. ARMY TANK AUTOMOTIVE COMMAND
WARREN, MICHIGAN 48397-5000

U.S. ARMY LCU-2000
FM-200 SYSTEM
LABEL PLATES AND PLACARDS

LCU-2000-5553-4

SHEET 2 OF 12

16

15

14

13

12

11

10

9

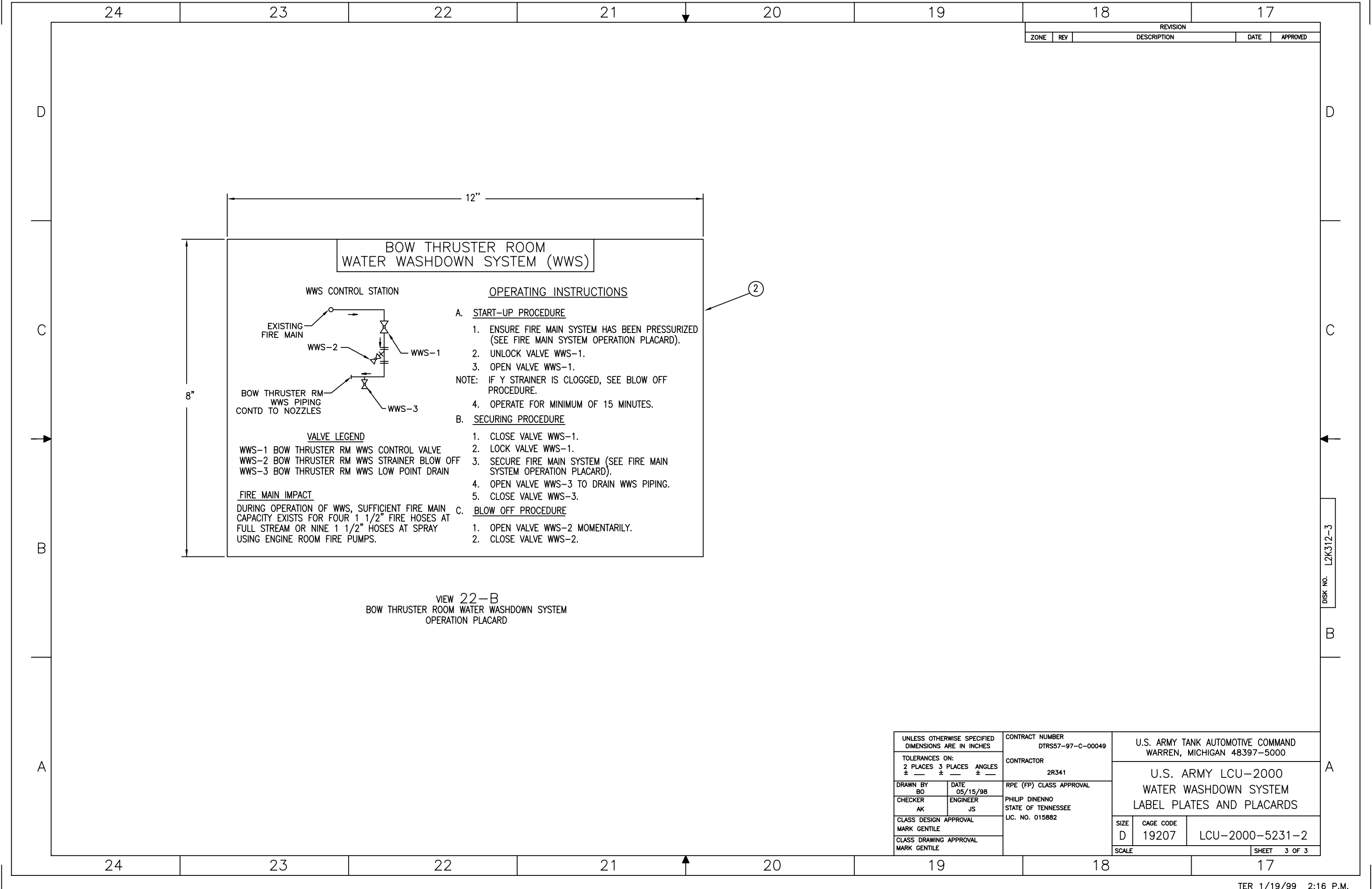
DISK NO. L2K534-2

B

A

TER 1/19/99 2:47 P.M.

[illegible]



REVISION				
ZONE	REV	DESCRIPTION		DATE
				APPROVED

12"

8"

WWS CONTROL STATION

EXISTING FIRE MAIN

WWS-2

WWS-1

BOW THRUSTER RM WWS PIPING CONTD TO NOZZLES

WWS-3

WWS-1 BOW THRUSTER RM WWS CONTROL VALVE

WWS-2 BOW THRUSTER RM WWS STRAINER BLOW OFF

WWS-3 BOW THRUSTER RM WWS LOW POINT DRAIN

FIRE MAIN IMPACT

DURING OPERATION OF WWS, SUFFICIENT FIRE MAIN CAPACITY EXISTS FOR FOUR 1 1/2" FIRE HOSES AT FULL STREAM OR NINE 1 1/2" HOSES AT SPRAY USING ENGINE ROOM FIRE PUMPS.

OPERATING INSTRUCTIONS

A. START-UP PROCEDURE

1. ENSURE FIRE MAIN SYSTEM HAS BEEN PRESSURIZED (SEE FIRE MAIN SYSTEM OPERATION PLACARD).

2. UNLOCK VALVE WWS-1.

3. OPEN VALVE WWS-1.

NOTE: IF Y STRAINER IS CLOGGED, SEE BLOW OFF PROCEDURE.

4. OPERATE FOR MINIMUM OF 15 MINUTES.

B. SECURING PROCEDURE

1. CLOSE VALVE WWS-1.

2. LOCK VALVE WWS-1.

3. SECURE FIRE MAIN SYSTEM (SEE FIRE MAIN SYSTEM OPERATION PLACARD).

4. OPEN VALVE WWS-3 TO DRAIN WWS PIPING.

5. CLOSE VALVE WWS-3.

C. BLOW OFF PROCEDURE

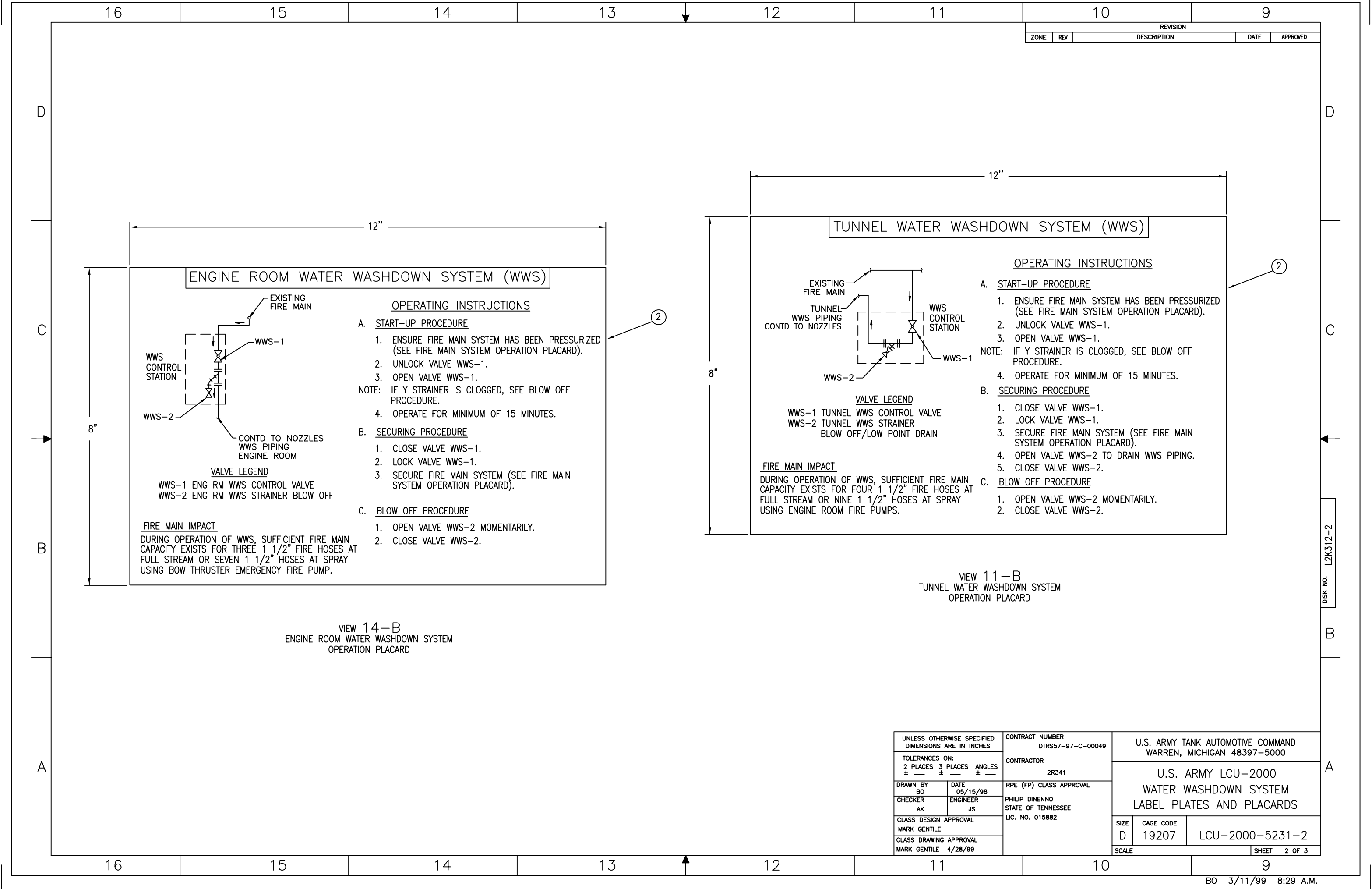
1. OPEN VALVE WWS-2 MOMENTARILY.

2. CLOSE VALVE WWS-2.

VIEW 22-B
BOW THRUSTER ROOM WATER WASHDOWN SYSTEM
OPERATION PLACARD

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CONTRACT NUMBER DTRS57-97-C-00049		U.S. ARMY TANK AUTOMOTIVE COMMAND WARREN, MICHIGAN 48397-5000	
		CONTRACTOR 2R341		U.S. ARMY LCU-2000 WATER WASHDOWN SYSTEM LABEL PLATES AND PLACARDS	
DRAWN BY BO	DATE 05/15/98	RPE (FP) CLASS APPROVAL PHILIP DINENNO STATE OF TENNESSEE LIC. NO. 015882		SIZE D	CAGE CODE 19207
CHECKER AK	ENGINEER JS			LCU-2000-5231-2	
CLASS DESIGN APPROVAL MARK GENTILE				SCALE	SHEET 3 OF 3
CLASS DRAWING APPROVAL MARK GENTILE					

TER 1/19/99 2:16 P.M.



REVISION				
ZONE	REV	DESCRIPTION	DATE	APPROVED

ENGINE ROOM WATER WASHDOWN SYSTEM (WWS)

OPERATING INSTRUCTIONS

A. START-UP PROCEDURE

1. ENSURE FIRE MAIN SYSTEM HAS BEEN PRESSURIZED (SEE FIRE MAIN SYSTEM OPERATION PLACARD).
2. UNLOCK VALVE WWS-1.
3. OPEN VALVE WWS-1.

NOTE: IF Y STRAINER IS CLOGGED, SEE BLOW OFF PROCEDURE.

4. OPERATE FOR MINIMUM OF 15 MINUTES.

B. SECURING PROCEDURE

1. CLOSE VALVE WWS-1.
2. LOCK VALVE WWS-1.
3. SECURE FIRE MAIN SYSTEM (SEE FIRE MAIN SYSTEM OPERATION PLACARD).

C. BLOW OFF PROCEDURE

1. OPEN VALVE WWS-2 MOMENTARILY.
2. CLOSE VALVE WWS-2.

VALVE LEGEND

WWS-1 ENG RM WWS CONTROL VALVE
WWS-2 ENG RM WWS STRAINER BLOW OFF

FIRE MAIN IMPACT

DURING OPERATION OF WWS, SUFFICIENT FIRE MAIN CAPACITY EXISTS FOR THREE 1 1/2" FIRE HOSES AT FULL STREAM OR SEVEN 1 1/2" HOSES AT SPRAY USING BOW THRUSTER EMERGENCY FIRE PUMP.

VIEW 14-B
ENGINE ROOM WATER WASHDOWN SYSTEM
OPERATION PLACARD

TUNNEL WATER WASHDOWN SYSTEM (WWS)

OPERATING INSTRUCTIONS

A. START-UP PROCEDURE

1. ENSURE FIRE MAIN SYSTEM HAS BEEN PRESSURIZED (SEE FIRE MAIN SYSTEM OPERATION PLACARD).
2. UNLOCK VALVE WWS-1.
3. OPEN VALVE WWS-1.

NOTE: IF Y STRAINER IS CLOGGED, SEE BLOW OFF PROCEDURE.

4. OPERATE FOR MINIMUM OF 15 MINUTES.

B. SECURING PROCEDURE

1. CLOSE VALVE WWS-1.
2. LOCK VALVE WWS-1.
3. SECURE FIRE MAIN SYSTEM (SEE FIRE MAIN SYSTEM OPERATION PLACARD).
4. OPEN VALVE WWS-2 TO DRAIN WWS PIPING.
5. CLOSE VALVE WWS-2.

C. BLOW OFF PROCEDURE

1. OPEN VALVE WWS-2 MOMENTARILY.
2. CLOSE VALVE WWS-2.

VALVE LEGEND

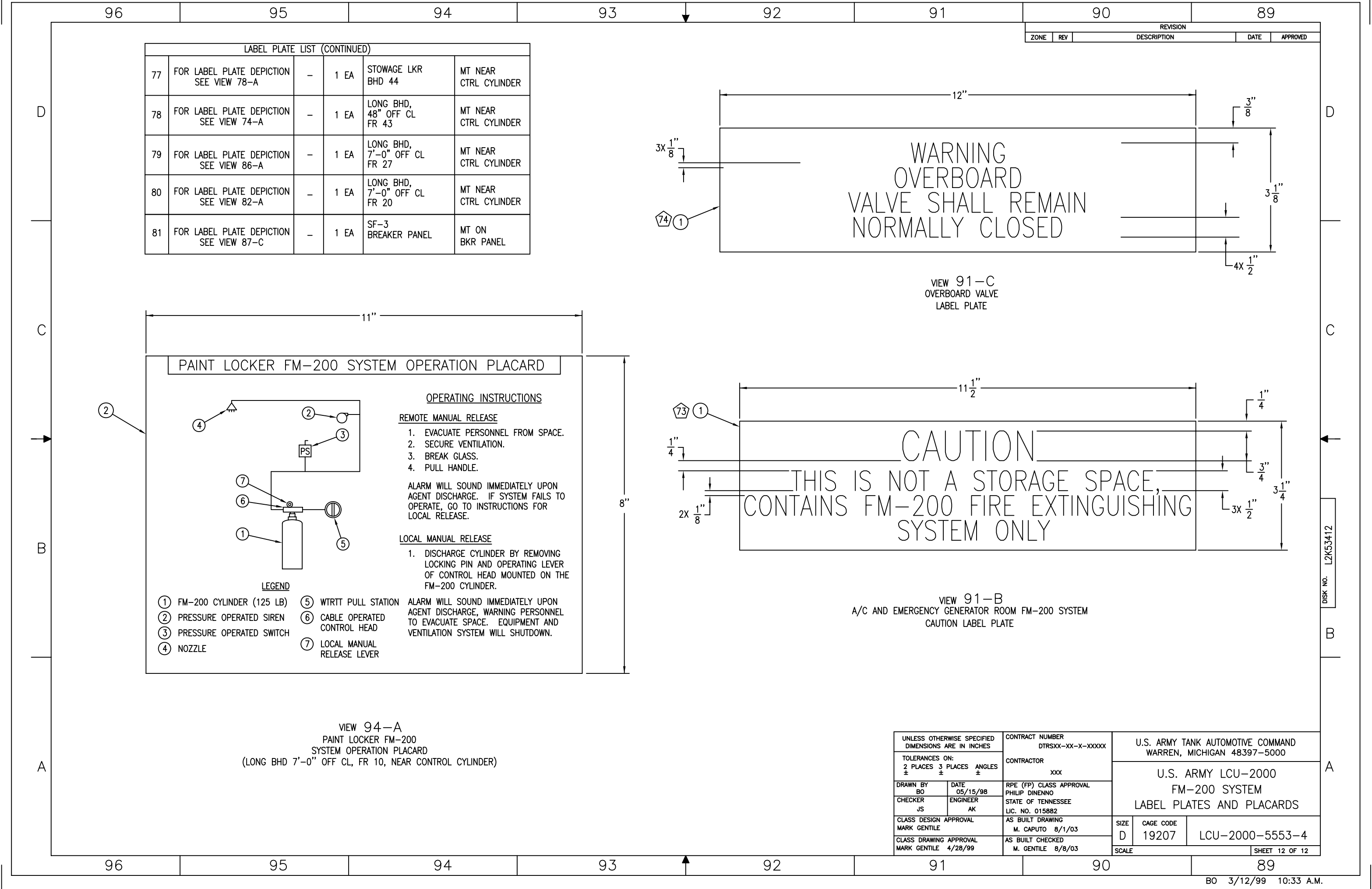
WWS-1 TUNNEL WWS CONTROL VALVE
WWS-2 TUNNEL WWS STRAINER BLOW OFF/LOW POINT DRAIN

FIRE MAIN IMPACT

DURING OPERATION OF WWS, SUFFICIENT FIRE MAIN CAPACITY EXISTS FOR FOUR 1 1/2" FIRE HOSES AT FULL STREAM OR NINE 1 1/2" HOSES AT SPRAY USING ENGINE ROOM FIRE PUMPS.

VIEW 11-B
TUNNEL WATER WASHDOWN SYSTEM
OPERATION PLACARD

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CONTRACT NUMBER DTRS57-97-C-00049		U.S. ARMY TANK AUTOMOTIVE COMMAND WARREN, MICHIGAN 48397-5000	
TOLERANCES ON: 2 PLACES 3 PLACES ANGLES ± ± ± ± ± ±		CONTRACTOR 2R341		U.S. ARMY LCU-2000 WATER WASHDOWN SYSTEM LABEL PLATES AND PLACARDS	
DRAWN BY BO	DATE 05/15/98	RPE (FP) CLASS APPROVAL			
CHECKER AK	ENGINEER JS	PHILIP DINENNO STATE OF TENNESSEE LIC. NO. 015882			
CLASS DESIGN APPROVAL MARK GENTILE					
CLASS DRAWING APPROVAL MARK GENTILE 4/28/99					
SCALE		SIZE D	CAGE CODE 19207	LCU-2000-5231-2	
				SHEET 2 OF 3	



VIEW 94-A
PAINT LOCKER FM-200
SYSTEM OPERATION PLACARD
(LONG BHD 7'-0" OFF CL, FR 10, NEAR CONTROL CYLINDER)

VIEW 91-B
A/C AND EMERGENCY GENERATOR ROOM FM-200 SYSTEM
CAUTION LABEL PLATE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CONTRACT NUMBER DTRSXX-XX-X-XXXXX		U.S. ARMY TANK AUTOMOTIVE COMMAND WARREN, MICHIGAN 48397-5000		
TOLERANCES ON: 2 PLACES 3 PLACES ANGLES ± ± ±		CONTRACTOR XXX				
DRAWN BY BO	DATE 05/15/98	RPE (FP) CLASS APPROVAL PHILIP DINENNO		U.S. ARMY LCU-2000 FM-200 SYSTEM LABEL PLATES AND PLACARDS		
CHECKER JS	ENGINEER AK	STATE OF TENNESSEE LIC. NO. 015882				
CLASS DESIGN APPROVAL MARK GENTILE		AS BUILT DRAWING M. CAPUTO 8/1/03		SIZE D	CAGE CODE 19207	LCU-2000-5553-4
CLASS DRAWING APPROVAL MARK GENTILE 4/28/99		AS BUILT CHECKED M. GENTILE 8/8/03		SCALE		
					SHEET 12 OF 12	